

ductruong

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:06:33 ON 09 SEP 2009

=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'EPFULL' ENTERED AT 11:06:49 ON 09 SEP 2009

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FILE 'PATDPAFULL' ENTERED AT 11:06:49 ON 09 SEP 2009

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FILE 'RDISCLOSURE' ENTERED AT 11:06:49 ON 09 SEP 2009

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FILE 'USPATFULL' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s poly arylene sulfide# or polyarylene sulfide

L1 2713 POLY ARYLENE SULFIDE# OR POLYARYLENE SULFIDE

=> s l1 and sulfur source and dihalo aromatic compound# and organic amide solvent#

5 FILES SEARCHED...

L2 34 L1 AND SULFUR SOURCE AND DIHALO AROMATIC COMPOUND# AND ORGANIC  
AMIDE SOLVENT#

=> s l2 and alkali metal hydroxide#

L3 31 L2 AND ALKALI METAL HYDROXIDE#

=> s l3 and wash? and water and hydrophilic organic solvent#

L4 4 L3 AND WASH? AND WATER AND HYDROPHILIC ORGANIC SOLVENT#

=> d l4 1-4

L4 ANSWER 1 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2005:19542 EPFULL EDP 20051026 ED 20051026 UP 20051026  
DUPD 20051026 DUPW 200543

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE  
SAME.

TIFR SULFURE DE POLYARYL NE ET PROC D POUR PRODU

IRE

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CELUI-CI.  
IN SATO, Hiroyuki c/o Nishiki Research Lab Kureha, chem Ind co 16, Ochia  
Nishiki-Machi Iwaka-shi, Fukushima 974 8686, JP;  
SUZUKI, Koichi c/o Nishiki Research Lab Kureha, Chem Ind Co 16, Ochia  
Nishiki-machi Iwaki-shi, Fukushima 974 8686, JP;  
KAWAMA, Hirohito c/o Nishiki Plant Kureha Chem, Ind Co 16, Ochia  
Nishiki-machi Iwaka-shi, Fukushima 9748686, JP  
PA Kureha Chemical Industry Company, Limited, 1-9-11, Nihonbashi  
Horidome-cho, Chuo-ku, Tokyo 103-8552, JP  
PAN 4076311  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL English; French  
PIT WOAl International application published with search report  
PI WO 2005078006 A1 20050825  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL  
PT RO SE SI SK TR  
EXTENSION STATES: AL BA HR LV MK YU  
AI EP 2005-710270 A 20050209  
WO 2005-JP2370 A 20050209  
PRAI JP 2004-34397 A 20040212  
IC.VER 7  
ICM C08G075-02  
  
AN 2005:19542 EPFULL EDP 20051026 ED 20061025 UP 20070516  
DUPD 20070516 DUPW 200720  
TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE  
SAME.  
TIFR SULFURE DE POLYARYLENE ET PROCEDE POUR PRODUIRE CELUI-CI.  
TIDE POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUeR.  
IN SATO, Hiroyukic/o Research Center Kureha Corp., 16,  
OchiaiNishiki-machiIwaki-shi, Fukushima 974-8686, JP;  
SUZUKI, Koichic/o Research Center Kureha Corp., 16,  
OchiaiNishiki-machiIwaki-shi, Fukushima 974-8686, JP;  
KAWAMA, Hirohitoc/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,  
Chuo-ku, Tokyo 1038552, JP  
PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,  
JP  
PAN 7199200  
AG Albrecht, Thomas, Kraus & Weisert Patent- und Rechtsanwaelte  
Thomas-Wimmer-Ring 15, 80539 Muenchen, DE  
AGN 83201  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
PIT EPA1 Application published with search report  
PI EP 1714994 A1 20061025  
WO 2005078006 20050825  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL  
PT RO SE SI SK TR  
AI EP 2005-710270 A 20050209  
WO 2005-JP2370 A 20050209  
PRAI JP 2004-34397 A 20040212  
RECA 13. THERE ARE 13 CITED AUTHOR REFERENCES (13 PATENT, 0 NON PATENT)  
AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.

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IPCI C08G0075-02 [I,A ]  
C08G0075-00 [I,C\*]

L4 ANSWER 2 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2004:146065 EPFULL EDP 20050907 ED 20050907 UP 20050907  
DUPD 20050907 DUPW 200536

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE  
SAME.

TIFR SULFURE DE POLYARYL NE, ET M THODE DE PRODUCTION.  
IN SATO, H., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,  
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
SUZUKI, K., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,  
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
KAWAMA, H., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,  
16, Ochiai, Nishiki-machi, Iwa ki-shi, Fukushima 9748686, JP

PA KUREHA CHEMICAL INDUSTRY CO., LTD., 9-11, Nihonbashi Horidome-cho  
1-chome, Chuo-ku, Tokyo 103-8552, JP

PAN 4076310  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL English; French  
PIT WOa1 International application published with search report  
PI WO 2005063853 A1 20050714  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL  
PT RO SE SI SK TR  
EXTENSION STATES: AL BA HR LV MK YU

AI EP 2004-807831 A 20041220  
WO 2004-JP19476 A 20041220

PRAI JP 2003-435462 A 20031226

IC.VER 7

ICM C08G075-02

AN 2004:146065 EPFULL EDP 20050907 ED 20060920 UP 20090422  
DUPD 20090422 DUPW 200917

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE  
SAME.

TIFR SULFURE DE POLYARYLENE, ET METHODE DE PRODUCTION.  
TIDE POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUeR.  
IN SATO, Hiroyuki c/o Res. Center, Kureha Corporation, 16, Ochiai,  
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
SUZUKI, Koichi c/o Res. Center, Kureha Corporation, 16, Ochiai,  
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
KAWAMA, Hirohito c/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,  
Chuo-ku, Tokyo 103-8552, JP

PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,  
JP

PAN 7199200

AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon  
Street, London EC2M 7LH, GB

AGN 57931  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
PIT EPA1 Application published with search report

ductruong

PI EP 1702943 A1 20060920  
WO 2005063853 20050714  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL  
PT RO SE SI SK TR  
AI EP 2004-807831 A 20041220  
WO 2004-JP19476 A 20041220  
PRAI JP 2003-435462 A 20031226  
RECA 12. THERE ARE 12 CITED AUTHOR REFERENCES (12 PATENT, 0 NON PATENT)  
AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.  
IPCI C08G0075-02 [I,A ]  
C08G0075-00 [I,C\*]  
  
AN 2004:146065 EPFULL EDP 20050907 ED 20090826 UP 20090826  
DUPD 20090826 DUPW 200935  
TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE  
SAME.  
TIFR SULFURE DE POLYARYLENE, ET METHODE DE PRODUCTION.  
TIDE POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUeR.  
IN SATO, Hiroyuki c/o Res. Center, Kureha Corporation, 16, Ochiai,  
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
SUZUKI, Koichi c/o Res. Center, Kureha Corporation, 16, Ochiai,  
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;  
KAWAMA, Hirohito c/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,  
Chuo-ku, Tokyo 103-8552, JP  
PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,  
JP  
PAN 7199200  
AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon  
Street, London EC2M 7LH, GB  
AGN 57931  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
PIT EPB1 Granted patent  
PI EP 1702943 B1 20090826  
WO 2005063853 20050714  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL  
PT RO SE SI SK TR  
AI EP 2004-807831 A 20041220  
WO 2004-JP19476 A 20041220  
PRAI JP 2003-435462 A 20031226  
REP EP 1586601 A (INID56)  
EP 1277784 A1 (INID56)  
EP 1550685 A1 (INID56)  
EP 648797 A2 (INID56)  
JP 4139215 A (INID56)  
JP 7118389 A (INID56)  
JP 8183858 A (INID56)  
JP 2000136246 A (INID56)  
JP 2000191785 A (INID56)  
JP 2000273175 A (INID56)  
JP 2003292623 A (INID56)  
JP 2004217895 A (INID56)  
JP 2004244619 A (INID56)  
RECA 12. THERE ARE 12 CITED AUTHOR REFERENCES (12 PATENT, 0 NON PATENT)  
AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.  
IPCI C08G0075-02 [I,A ]

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C08G0075-00 [I,C\*]

L4 ANSWER 3 OF 4 USPATFULL on STN  
AN 2007:184784 USPATFULL  
TI Poly (arylene sulfide) and production  
process thereof  
IN Sato, Hiroyuki, Fukushima, JAPAN  
Suzuki, Koichi, Fukushima, JAPAN  
Kawama, Hirohito, Tokyo, JAPAN  
PI US 20070161777 A1 20070712  
AI US 2004-584629 A1 20041220 (10)  
WO 2004-JP19476 20041220  
20060626 PCT 371 date  
PRAI JP 2003-435462 20031226  
DT Utility  
FS APPLICATION  
LN.CNT 969  
INCL INCLM: 528/379.000  
INCLS: 528/373.000  
NCL NCLM: 528/379.000  
NCLS: 528/373.000  
IC IPCI C08G0075-00 [I,A]; C08L0081-00 [N,A]  
IPCR C08G0075-00 [I,C]; C08G0075-00 [I,A]; C08G0075-02 [I,A];  
C08L0081-00 [N,C]; C08L0081-00 [N,A]

L4 ANSWER 4 OF 4 USPATFULL on STN  
AN 2007:107669 USPATFULL  
TI Poly (arylene sulfide) and production  
process thereof  
IN Sato, Hiroyuki, Fukushima, JAPAN  
Suzuki, Koichi, Fukushima, JAPAN  
Kawama, Hirohito, Tokyo, JAPAN  
PI US 20070093642 A1 20070426  
AI US 2005-589006 A1 20050209 (10)  
WO 2005-JP2370 20050209  
20060810 PCT 371 date  
PRAI JP 2004-34397 20040212  
DT Utility  
FS APPLICATION  
LN.CNT 1435  
INCL INCLM: 528/381.000  
INCLS: 528/388.000  
NCL NCLM: 528/381.000  
NCLS: 528/388.000  
IC IPCI C08G0075-14 [I,A]; C08G0075-00 [I,C\*]  
IPCR C08G0075-00 [I,C]; C08G0075-02 [I,A]; C08G0075-14 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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